



Corrosion Control Specialists

6642 S. 193rd Place Suite N105B
Kent, Washington 98032
Phone (206) 251-8074 Fax (206) 251-8075

SEP 05 1995

RCRA PERMITS SECTION

WA 2917

8/11/95

8/11/1995

CERTIFICATION OF TANK DECONTAMINATION per 40 CFR Part 265.111(b)

Philip Environmental Services, Inc. (Pier 91 Facility)
2001 West Garfield Street
Seattle, Washington 98119

TANK NO. 164

FILE COPY

TANK NAME: Heat Treatment / Storage

SYSTEM: Existing Dangerous Waste Area

VESSEL FLUID: Oil and coolant emulsions, industrial wastewater

This tank decontamination assessment has determined that the above tank was adequately cleaned in accordance with treatment standards specified in 40 CFR Part 268 and current closures guidance of the Washington Department of Ecology.

A. DOCUMENTS USED FOR EVALUATION:

1. 40 CFR Part 268.45, "Treatment standards for hazardous debris"
2. Federal Register. Vol. 57, No. 6, 1/9/92 - Proposed Rule - Land Disposal Restrictions for Newly Listed Wastes and Contamination Debris: p.1034 (Appendix IX - Requirements for Effective Treatment - Water Washing and Spraying).
3. Correspondence with the Washington Department of Ecology - Southwest Regional Office, dated 12/13/93 with certification statement per WAC 173-303-810(12) and (13).
4. Burlington Environmental, Inc. Pier 91, "Closure of Interim Status Dangerous Waste Tank System" Revised 1/13/95

USEPA RCRA



3012271

B: DESCRIPTION OF DECONTAMINATION:

The physical extraction technology of high pressure water spraying was utilized on this tank in accordance with closure guidance provided by the Washington Department of Ecology. Philip Environmental met and/or exceeded the design and operating parameters suggested by the Environmental Protection Agency for this treatment technology (attached) during this operation. A clean debris surface, defined in 40 CFR 268.45 Footnote 3 of Table, was achieved for the tank in question.

C: COMMENTS:

The tank decontamination was completed on July 20, 1995.

The rinsate was collected into WEST PAC Environmental, Inc. truck for transfer to Philip Environmental Kent Facility

CERTIFICATION STATEMENT


" I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." WAC 173-303-810(13)(a)

The undersigned is an independent, qualified, registered professional engineer in the state of Washington.

Signature:  Date: 8/10/95
Dennis R. Helgeson, P. E.

Company: Corrosion Control Specialists: Telephone: (206) 251-8074
6642 South 193rd Place
Kent, WA 98032



Signature:  Date: 8-11-95
Marty Holloway, Plant Supervisor

Telephone: (206) 284-2450



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CERTIFICATION OF DECONTAMINATION ANCILLARY EQUIPMENT per 40 CFR Part 265.111(b)

Philip Environmental Services, Inc. (Pier 91 Facility)
2001 West Garfield Street
Seattle, Washington 98119

TANK NO. Ancillary Equipment
associated with tank 164

TANK NAME: Heat Treatment / Storage

SYSTEM: Existing Dangerous Waste Area

VESSEL FLUID: Oil and coolant emulsions, industrial wastewater

This decontamination assessment for this ancillary equipment has determined that the ancillary equipment associated with the above tank was adequately cleaned in accordance with treatment standards specified in 40 CFR Part 268 and current closures guidance of the Washington Department of Ecology.

A. DOCUMENTS USED FOR EVALUATION:

1. 40 CFR Part 268.45, "Treatment standards for hazardous debris"
2. Federal Register. Vol. 57, No. 6, 1/9/92 - Proposed Rule - Land Disposal Restrictions for Newly Listed Wastes and Contamination Debris: p.1034 (Appendix IX - Requirements for Effective Treatment - Water Washing and Spraying).
3. Correspondence with the Washington Department of Ecology - Southwest Regional Office, dated 12/13/93 with certification statement per WAC 173-303-810(12) and (13).
4. Burlington Environmental, Inc. Pier 91 , " Closure of Interim Status Dangerous Waste Tank System" Revised 1/13/95

B: DESCRIPTION OF DECONTAMINATION:

The physical extraction technology of high pressure water spraying was utilized on this tank in accordance with closure guidance provided by the Washington Department of Ecology. Philip Environmental met and/or exceeded the design and operating parameters suggested by the Environmental Protection Agency for this treatment technology during this operation. A clean debris surface, defined in 40 CFR 268.45 Footnote 3 of Table, was achieved for the tank in question.

C: COMMENTS:

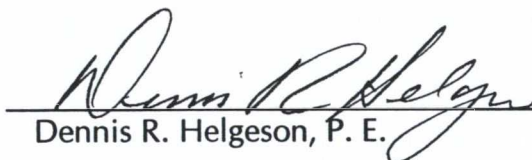
The decontamination of the ancillary equipment was completed on July 20, 1995.

The rinsate was collected into WEST PAC Environmental, Inc. truck for transfer to Philip Environmental Kent Facility

CERTIFICATION STATEMENT

" I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." WAC 173-303-810(13)(a)

The undersigned is an independent, qualified, registered professional engineer in the state of Washington.

Signature:  Date: 8/15/95
Dennis R. Helgeson, P. E.

Company: Corrosion Control Specialists: Telephone: (206) 251-8074
6642 South 193rd Place
Kent, WA 98032



Signature:  Date: 8-11-95 EXPIRES 12/24/96
Marty Holloway, Plant Supervisor

Telephone: (206) 284-2450